

# Mike Johnson Broadcast Technology

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November 2, 2011

**Engineer's Certification of Proper Directional Antenna Installation**  
**KMUZ, Turner, OR**  
**CP: BPED-20111014AFD - Facility ID: 172599**

I, Michael Johnson, hereby certify that the Shively 6810-1-DA directional antenna for KMUZ (FM) was installed on October 26, 2011, in full accordance with construction permit BPED-20111014AFD, and in full accordance with all installation instructions provided by the antenna manufacturer. The directional antenna is oriented per the manufacturer's instructions, which was verified on-site by a licensed surveying crew.

I supervised the entire installation on-site. Supervising such projects is well within the scope of my understanding, experience, and expertise. I am a qualified radio broadcast engineer with over 25 years of experience.



Michael Johnson

Owner – Mike Johnson Broadcast Technology, Portland, Oregon